


5-27-88 Must keep 25% slope or less
TaxID - 03311430 at least 10 ft ahead of tank. JEN

5/24/88 Noon to 6:00 PM
5-27-88 11 AM to 1:00 PM
5/31/88 2 PM

PERMIT

P 41005
A 36284
DISTRICT 3rd
DATE 5/18/88
DATE SYSTEM APPROVED 5/31/88
INSPECTOR 

SEWAGE DISPOSAL SYSTEM MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

3/6/88
870

Paul Schissler/South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland PHONE 875-4197

SUBDIVISION Clover Hill ROAD 12568 Clover Hill Dr. LOT 8
WEST FRIENDSHIP, MD

PROPERTY OWNER Benjamin Carson

ADDRESS _____

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES _____ NO X

SEPTIC TANK CAPACITY 1500 GALLONS NUMBER OF BEDROOMS 5

Addition - Polch
BLDG. PERMIT SIGNED
AND RETURNED 6-11-96
Serial # B00100527

TRENCHES - 168 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - BE ALERT TO FILL DIRT! Place 1st trench 410 feet down the left (410') lot line (from the back left corner) and 200 feet off the left lot line as seen when facing property from Clover Hill Drive. Run trenches along contour back towards the left lot line.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. ok/cw

* TRENCH DEPTH TO BE MEASURED FROM ORIGINAL GRADE. - NOT FILL GRADE. 2/11/88 cw

PLANS APPROVED BY B. Nixon DATE 10/21/86

COVER NO WORK UNTIL INSPECTED AND APPROVED.

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E., TANK, DISTRIBUTION BOX, TRENCHES) TO BE 100 FEET FROM WELL. (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER. NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH.

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 40 PVC OR ABS.

PERMIT VOID AFTER TWO YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

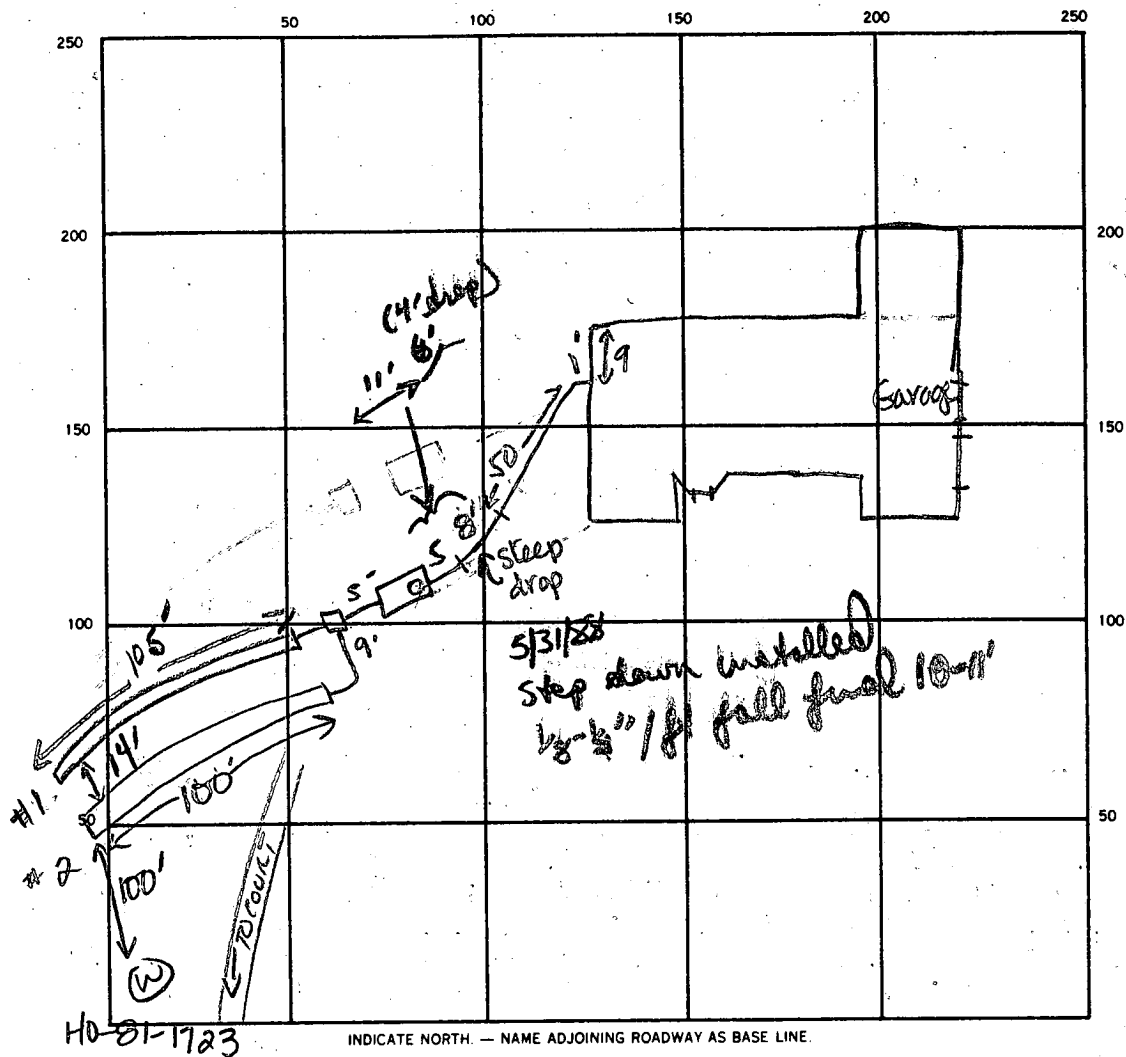
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

BLDG. PERMIT SIGNED
AND RETURNED 10/15/92
Serial # 45795 - addition
BLDG. PERMIT SIGNED
AND RETURNED 7/18/88
Serial # 19755 - addition

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

36284



HO-81-1723 INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

SEPTIC TANK. LEVEL ✓ 1500 GAJ CLEANOUTS 1 on septic tank 220
212
12

DISTRIBUTION BOX. LEVEL ✓ w/ baffle

DRAIN FIELD TILE FIELD. DEPTH 8 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 4 FT.

EFFECTIVE GRAVEL DEPTH 4 4 FT. TOTAL LENGTH 25 100 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL BOTTOM AREA 420 480 SQ. FT.

DRYWELL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 820 SQ. FT. 20' short of needed or 1800

REMARKS 5-26-88 - EQUIP. FAILURE ONLY TANK SET NO OTHER WORK DONE. SA - OK TO START #1

5-26-88 OK TO COVER #2 SAME 5-27-88 OK TO COVER TRENCH #2

Must maintain a 25% or less slope from 10 ft up slope of septic tank. Call for final SEN.

5/31/88 step down installed to keep 1/8-1/4" fall final 10' to tank. OK'd, OK to cover

DATE SYSTEM APPROVED 5/31/88 INSPECTOR B Nifan

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

12/21/85
BP
Low sales
w/ full

A 36284
P _____
3 R0
DATE Nov. 26, 1985

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER ~~West Friendship Joint Venture~~ BENJAMIN CARSON

ADDRESS 3560 Ellicott Mills Drive PHONE 465-7777

PROPERTY LOCATION: 12568 CLOVER HILL DR.

SUBDIVISION Clover Hill - Lots 1 thru 9 LOT NO. Lot 8

ROAD AND DESCRIPTION On Maryland Route 144, 1400' ± S. of Pk 32 (at the dead end of existing S.R.C. Service Road)

SIZE OF LOT 3.00 ± AC. TYPE BLDG. 3
(NUMBER OF BEDROOMS)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

D. Rush

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT SIGNED AND RETURNED 3-2387

J. Abel
BP # 10589

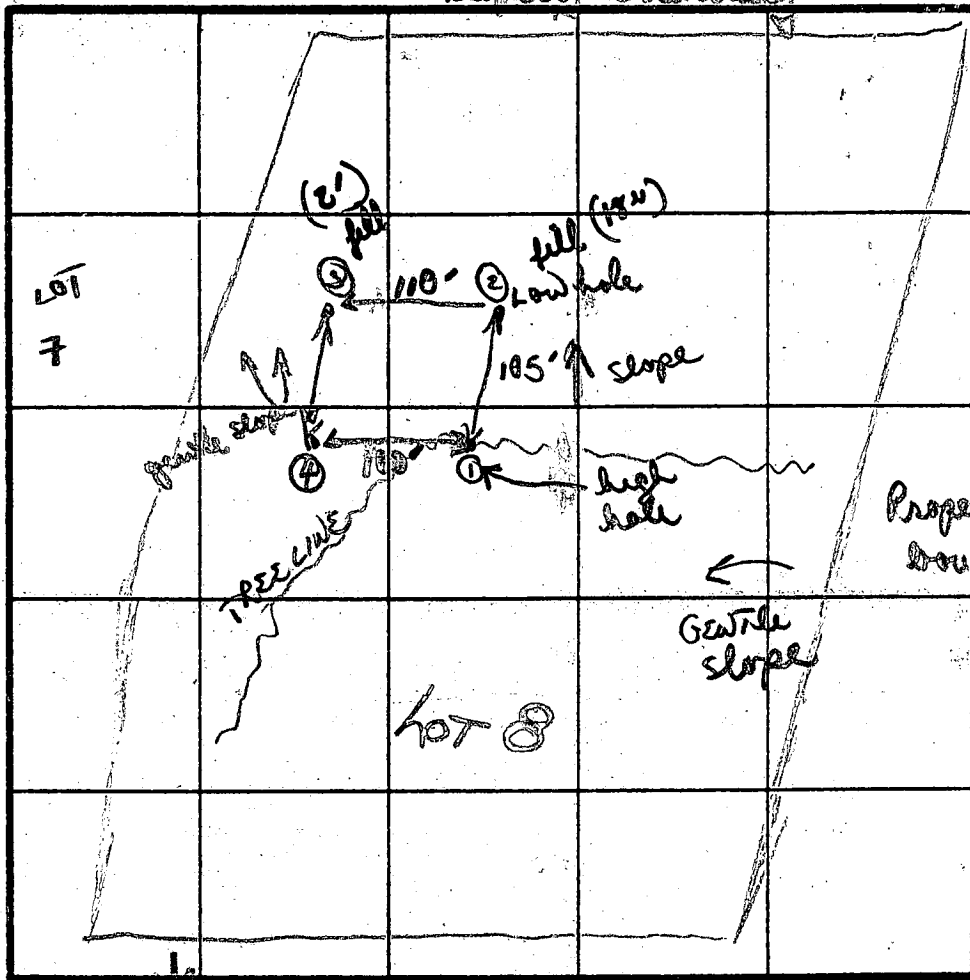
THIS IS NOT A PERMIT

Property boundary

1+4
SOIL PROFILE

Red/brown clay prev. dominantly 3 1/2'

fine to silty/mica loam = 10% small-med loosely struct. spherulite fragments (uniform to bottom) 11 feet



2

18" fill soil

red/brown clay

3 1/2' red/fin silty/mica sandy loam 5% loosely structured. uniform to bottom 11'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

3

fill soil 2'

Red/brown clay layer 5'

fin silty/mica loam 15% small frag. loosely structured spherulite 12' bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/12/85	1	S 3'	226	220	230	230	5 min
		M 6 1/2'	224	226	226	229	3 min
		D 11'	bottom - see profile				
	2	M 4'	243	244	244	247	3 min
		D 11'	bottom - see profile				
	3	M 6 1/2'	240	241	241	243	2 min
		D 12'	bottom - see profile				
	4	VISUAL					
		D 11'	see profile # 1				

X - 3+ mm
INLET 4'

& some fill soil on holes 2+3 (2' x 18")

12/12/85 REMARKS: silty/mica type soil predominates - fast perc times

TESTED BY: B. N. Jovan

ALSO PRESENT: Jack, Scott, Skip

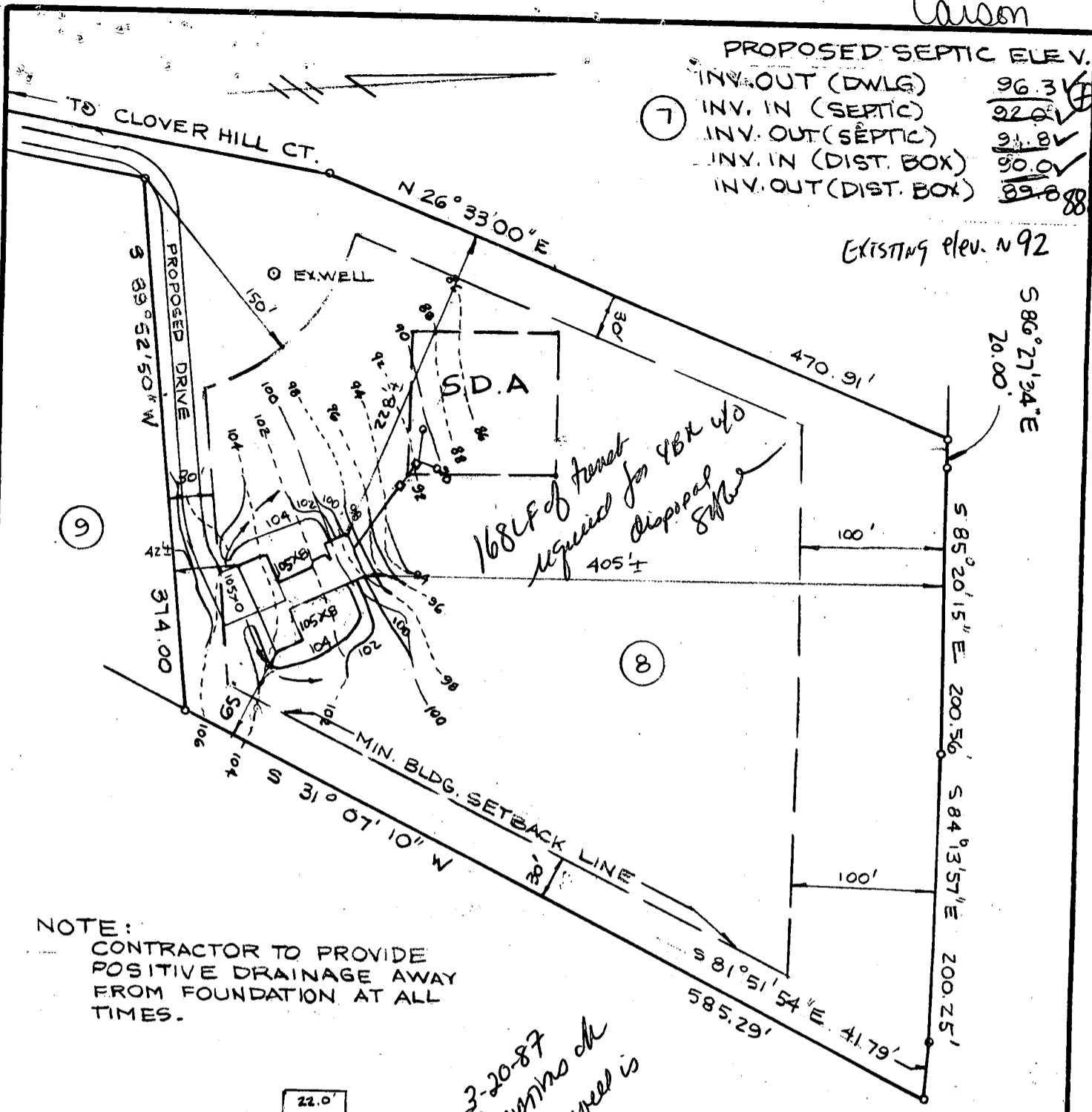
EH-12-1079

Carson

PROPOSED SEPTIC ELEV.

INV. OUT (DWLG)	96.3	✓
INV. IN (SEPTIC)	92.0	✓
INV. OUT (SEPTIC)	91.8	✓
INV. IN (DIST. BOX)	90.0	✓
INV. OUT (DIST. BOX)	89.8	✓

EXISTING elev. N 92

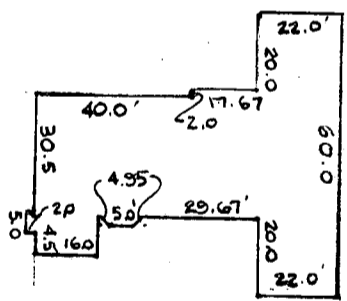


168 SF of front required for 48x40 disposal

3-20-87
slumming ok
hold fill well is approved.

PROPOSED ELEVATION	
GAR	106.0 ✓
FF	107.3 ✓
CE	98.3 ✓

NOTE: CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM FOUNDATION AT ALL TIMES.



BLDG. PERMIT SIGNED AND RETURNED 3-23-87
SAB

BP# 10589

LOT 8
"CLOVER HILL"
HOWARD CO., MD.

J.W.M.K

3-4-87

James W. McKee, MD Reg. 9012 Date



drawn: E.M.T. designed: E.M.T.

SITE PLAN CLOVERHILL CT.

McKee & Associates, Inc.

CIVIL ENGINEERS - LAND SURVEYORS
SHAWAN PLACE
5 SHAWAN ROAD HUNT VALLEY, MD 21030
301-252-5820

scale:	1" = 100'
date:	3-4-87
job no.:	P-75

B 1 2187 SEQUENCE NO. (OEP USE ONLY)
THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER 110-81-1723
fill in this form completely

please print or type

Date Received 1/2/87
OWNER INFORMATION
CARSON BEN
10972 SWANFIELD RD
COLUMBIA MD 21044

B 3 LOCATION OF WELL
HOWARD COUNTY
CLOVERHILL SUBDIVISION
SECTION 8 LOT 8
WEST FRIENDSHIP NEAREST TOWN
MILES FROM TOWN 1

DRILLER INFORMATION
RALPH MAYNE
77 License No. 80 273
Firm Name RALPH MAYNE (WELL DRILLING)
Address 920 Brown Church Rd. Mt. Airy
Signature Date 1/2/87

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
NEAR WHAT ROAD CLOVER HILL DRIVE
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
DISTANCE FROM ROAD 200 FT
ENTER FT or MI 0.7

B 2 WELL INFORMATION
APPROX. PUMPING-RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

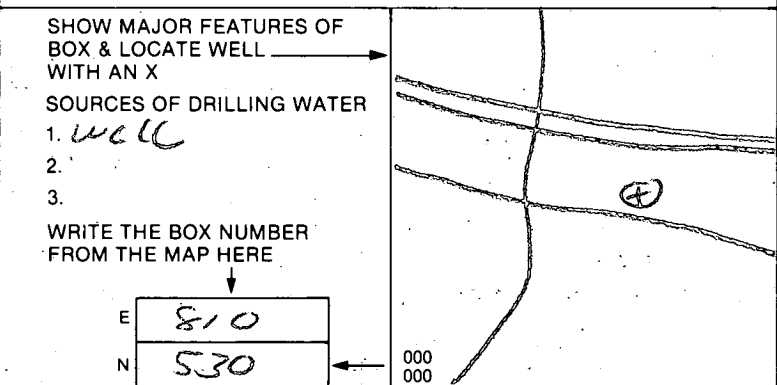
USE FOR WATER (CIRCLE APPROPRIATE BOX)
D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT, ONLY)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
COUNTY NAME HOWARD COUNTY NO. A36284
OEP SIGNATURE DATE ISSUED 01/13/87
CO-SIGNATURE RALPH MAYNE EXP. DATE 07/13/87
NORTH GRID 536000 EAST GRID 0814000

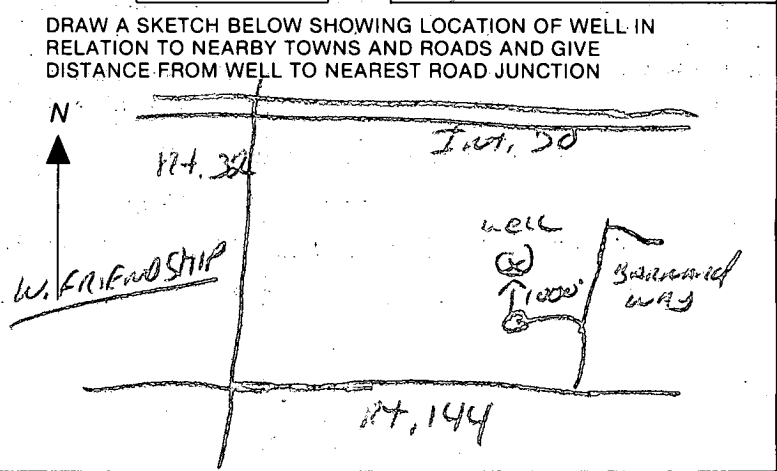
APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

METHOD OF DRILLING (circle one)
BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTARY DRIVE-POINT
other



REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
D THIS WELL WILL DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)



Not to be filled in by driller (OEP USE ONLY)
APPROP. PERMIT NUMBER 110-81-1723
FORCE PERMIT No. 110-81-1723

SPECIAL CONDITIONS 997-3239 955-5847
REISSUE SAME TAG; SAME PROP. AT PRESENT DRILLER

C1 5356

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER A-36284

DATE RECEIVED

DATE WELL COMPLETED

DEPTH OF WELL

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED grid

DEPTH OF WELL grid

PERMIT NO. grid

OWNER

STREET OR RFD

SUBDIVISION

CARSON

CLOVER HILL DR.

CLOVER HILL

RODYANUM

FIRST NAME

TOWN

WEST FRIENDSHIP

SECTION

LOT 8

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed) FEET FROM TO Check if water bearing

Table with columns for Description, Feet From, Feet To, and Check if water bearing. Includes handwritten entries: Top Soil (0-2), Brown Shale (2-60), Brown Slate (60-65), Blue Slate (65-80), Brown Slate (80-85), Blue Slate (85-85).

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N)

TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC)

NO. OF BAGS NO. OF POUNDS

GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot)

Grid for GROUT SEAL depth from ft. to ft.

CASING RECORD

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)

Grid for MAIN CASING TYPE and dimensions.

OTHER CASING (if used)

Grid for OTHER CASING diameter and depth.

SCREEN RECORD

screen type or open hole insert appropriate code below. STEEL (ST), BRASS (BR), OPEN HOLE (HO), PLASTIC (PL), OTHER (OT)

Grid for SCREEN RECORD with columns for depth (nearest ft.) and slot size.

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.), WQ

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour)

PUMPING RATE (gal. per min. to nearest gal.)

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface) BEFORE PUMPING

WHEN PUMPING

TYPE OF PUMP USED (for test)

Grid for TYPE OF PUMP USED with options: air, piston, turbine, centrifugal, rotary, other, jet, submersible.

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES (NO)

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

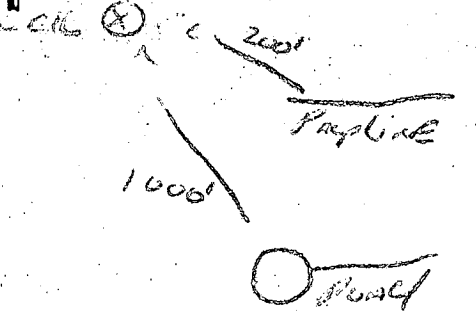
PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

LAND SURFACE (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

E ELECTRIC LOG OBTAINED

P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 293

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)